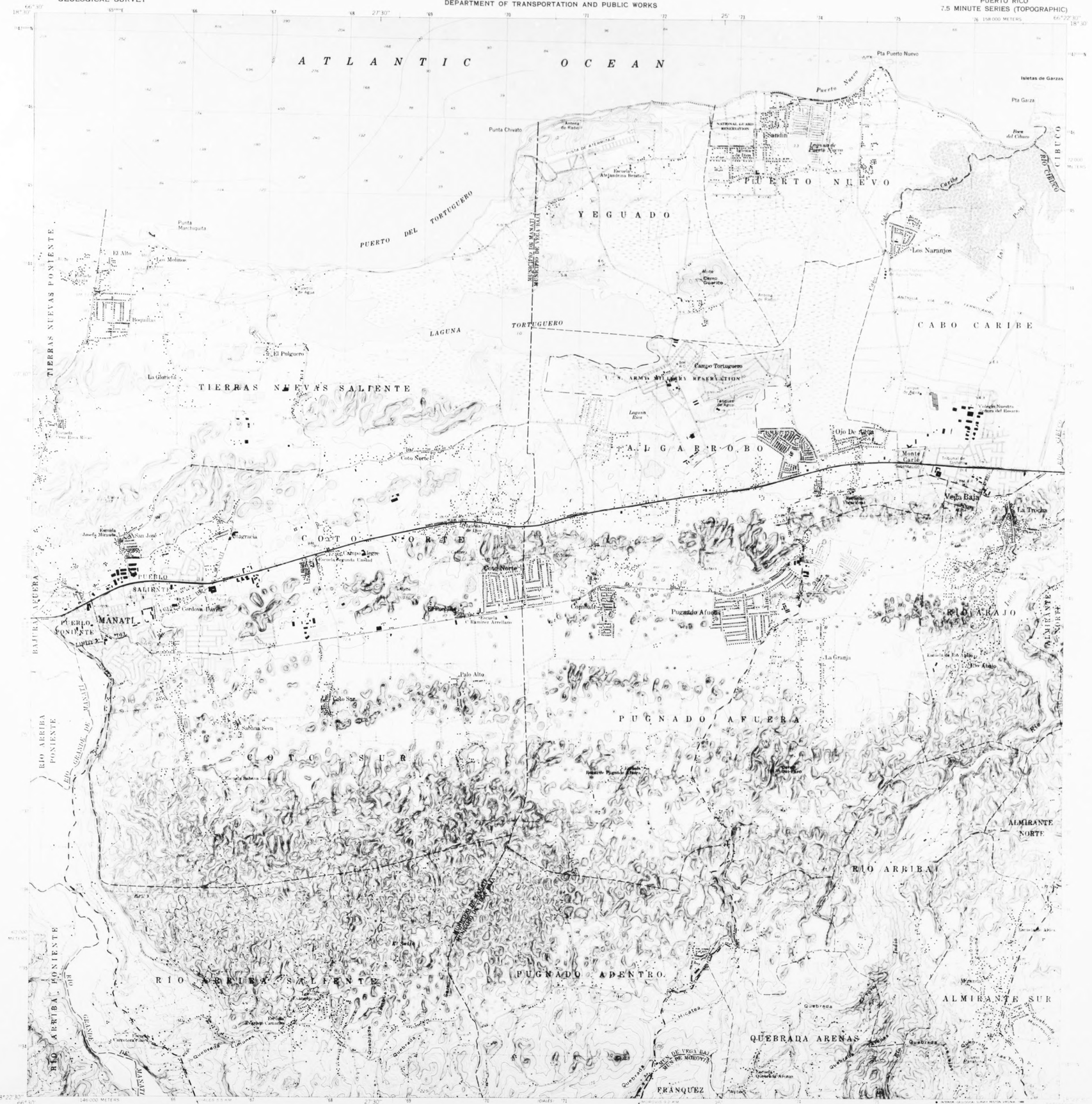
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

MANATÍ QUADRANGLE
PUERTO RICO
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1941 and planetable surveys 1940, 1943, and 1949. Revised from aerial photographs taken 1967. Field checked 1969

Selected hydrographic data compiled from NOS chart 903 (1970) This information is not intended for navigational purposes

Polyconic projection. Puerto Rico Datum, 1940 adjustment
2000-meter grid ticks based on Puerto Rico coordinate system
1000-meter Universal Transverse Mercator grid, zone 19

Barrio and municipality boundaries by the Puerto Rico Planning Board

Red tint indicates areas in which only landmark buildings are shown

Kilometric reference distances are shown in red

There may be private inholdings within the boundaries of the National or State reservations shown on this map

UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Revisions shown in purple and woodland compiled from aerial photographs taken 1977 and other sources. This information not field checked. Map edited 1982

Purple tint indicates extension of urban areas

SCALE 1:20 000

CONTOUR INTERVAL 5 METERS
DOTTED LINES REPRESENT 1 METER CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 0.3 METER

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS, SAN JUAN, P. R. 00910
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

PUERTO RICO
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, all weather hard surface	———	Light-duty road, all weather improved surface
Secondary highway, all weather hard surface	— — —	Unimproved road, fair or dry weather

Interstate Route

MANATÍ, P. R.
18066-E7-025
1969
PHOTOREVISED 1982
DMA 4525 II SW SERIES V881